

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/17749

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C08L 33/08, 33/10, 33/12, 63/00; B32B 27/30, 27/38; H01L 21/44, 21/447, 21/52 US CL : 525/55, 107, 113, 117, 118, 523, 524, 529; 428/413, 414, 523; 438/106, 108, 118 According to International Patent Classification (IPC) or to both national classification and IPC																										
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 525/55, 107, 113, 117, 118, 523, 524, 529; 428/413, 414, 523; 438/106, 108, 118 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPAT, US-PGPUB, USOCR, EPO, JPO, DERWENT, IBM_TDB																										
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 2003/0141592 A1 (MA et al) 31 July 2003 (31.07.2003), paragraphs 0013, 0020, 0025, 0027-0036, 0044-0045.</td> <td>1,2</td> </tr> <tr> <td>---</td> <td></td> <td>---</td> </tr> <tr> <td>Y</td> <td></td> <td>3-6</td> </tr> <tr> <td>Y</td> <td>US 2003/0080397 A1 (SAKUYAMA et al) 01 May 2003 (01.05.2003), paragraphs 0021-0023, 0076.</td> <td>3,4</td> </tr> <tr> <td>Y</td> <td>US 6,287,745 B1 (YAMAMURA et al) 11 September 2001 (11.09.2001), Abstract, column 7, line 60 through column 10, line 21.</td> <td>5,6</td> </tr> <tr> <td>X,P</td> <td>US 2004/0102566 A1 (FORRAY et al) 27 May 2004 (27.05.2004), paragraphs 0010-0014, 0019-0023, 0098, 0103-0117, 0138-0145, 0147, 0150-0155, 0161.</td> <td>1-6</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2003/0141592 A1 (MA et al) 31 July 2003 (31.07.2003), paragraphs 0013, 0020, 0025, 0027-0036, 0044-0045.	1,2	---		---	Y		3-6	Y	US 2003/0080397 A1 (SAKUYAMA et al) 01 May 2003 (01.05.2003), paragraphs 0021-0023, 0076.	3,4	Y	US 6,287,745 B1 (YAMAMURA et al) 11 September 2001 (11.09.2001), Abstract, column 7, line 60 through column 10, line 21.	5,6	X,P	US 2004/0102566 A1 (FORRAY et al) 27 May 2004 (27.05.2004), paragraphs 0010-0014, 0019-0023, 0098, 0103-0117, 0138-0145, 0147, 0150-0155, 0161.	1-6			
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<table border="0"> <tr> <td colspan="2">* Special categories of cited documents:</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent published on or after the international filing date</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family	"O"	document referring to an oral disclosure, use, exhibition or other means			"P"	document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search 01 December 2004 (01.12.2004)		Date of mailing of the international search report 15 DEC 2004																								
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Michael J. Feely <i>[Signature]</i> Telephone No. 571-272-1700 <i>For</i>																								